

## ABSTRACT OF THE INVENTION

A method and device for implementing a network of terminal computers implementing a graphical operating environment from a common central processing system. The central processing system generates a display image for the one or more terminals as frame buffer data that is reduced, compressed and transferred to the individual terminals. As the display needs to be updated, the central processing system generates a new display, calculates the change in the updated data and the previous data, and transmits the change data. The present invention facilitates the implementation of the graphical operating environment by mitigating the amount of information required to be transmitted to each individual terminal.